

Grades 1-4 (S), 5-8 (S)

Duration: 15-20 min

Tools: one 9 pcs or 16 pcs Set / pair

Pair work

Keywords: Prisms

101 - Categorise the Blocks



MATHS / INTRO



LOGIFACES
METHODOLOGY
Erasmus+

TEACHER
Logifaces

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DESCRIPTION

Students work in pairs and discuss the following questions:

1. Compare a triangular prism (block 111 or block 222) to a truncated triangular prism (block 123) from a 9 pcs or 16 pcs Set. What are the differences and the similarities between them? Compare other truncated pieces as well to the triangular prism.
2. How many of the pieces from the set are truncated triangular prisms and how many are triangular prisms?
3. How many identical pieces can you find in the 9 pcs or 16 pcs Set? Categorise the pieces.

SOLUTIONS / EXAMPLES

1. Differences: The top faces are equilateral triangles in the triangular prisms, but not in the truncated prisms. The vertical faces of the triangular prisms are congruent rectangles, while the truncated prisms have two or three different height vertical edges.
Similarities: The base face is an equilateral triangle for all prisms.

2. 9 pcs Set has only one triangular prism (block 222), 16 pcs Set has two triangular prisms (block 111 and block 333).

3. 9 pcs Set

How many	1	1	1	1	1	2	2
Blocks							

16 pcs Set

How many	1	1	2	1	1	2	1	3	2	2
Pieces										

PRIOR KNOWLEDGE

Prisms and truncated prisms

RECOMMENDATIONS / COMMENTS